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GenCore version 5.1.3

OM protein - protein search, using sw model

Run on: December 19, 2002, 14:55:37 ; Search time 12 Seconds

(without alignments)

93.474 Million cell updates/sec

Perfect score: 3008

Sequence: 1 MESSKKMDSPGALQTNPPLR.....IKDDTIFIKVIVDPSDLRDP 568

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 106657 seqs, 16763532 residues

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PTC_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

7: /cgn2_6/ptodata/2/pubpaa/PTCUS1_APP1.pep:*

8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*

12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	3008	100.0	568	8 US-08-813-323A-2 Sequence 1, Appli
2	2879.5	95.7	566	8 US-08-813-323A-1 Sequence 2, Appli
3	2831.5	94.1	543	10 US-09-557-001-2 Sequence 2, Appli
4	2224.9	73.9	438	10 US-09-550-902-2 Sequence 2, Appli
5	1701.5	56.6	347	10 US-09-550-903-4 Sequence 4, Appli
6	214	7.1	43	10 US-09-798-789-4 Sequence 4, Appli
7	214	7.1	43	10 US-09-881-289-4 Sequence 4, Appli
8	186.5	6.2	72	10 US-09-664-761-33993 Sequence 33993, A
9	153	5.1	658	10 US-09-664-884-818 Sequence 818, App
10	149	5.0	185	9 US-09-949-842-19 Sequence 19, Appli
11	149	5.0	563	10 US-09-664-884-1277 Sequence 1277, Ap
12	147	4.9	232	10 US-09-988-657-1 Sequence 1, Appli
13	137	4.6	503	10 US-09-664-884-835 Sequence 835, App
14	136	4.5	245	10 US-09-988-657-9 Sequence 9, Appli
15	136	4.5	1641	9 US-10-017-216-5 Sequence 5, Appli
16	134.5	4.5	2139	10 US-09-27-384-6 Sequence 6, Appli
17	133.5	4.4	239	10 US-09-988-657-7 Sequence 7, Appli
18	133	4.4	285	10 US-09-764-864-841 Sequence 841, Appli
19	130.5	4.3	829	10 US-09-846-805-8 Sequence 8, Appli

ALIGNMENTS

RESULT	1
US-08-813-323A-2	Sequence 2, Application US/08813323A
	Patent No. US20020031522A1
	GENERAL INFORMATION:
	APPLICANT: Baltimore, David
	APPLICANT: Cheng, Genhong
	APPLICANT: Cleary, Aileen
	APPLICANT: Lederman, Seth
	APPLICANT: Ye, Zheng-sheng
	TITLE OF INVENTION: TRUNCATED CRAF1 INHIBITS CD40 SIGNALING
	NUMBER OF SEQUENCES: 5
	CORRESPONDENCE ADDRESS:
	ADDRESSEE: Cooper & Dunham, LLP
	STREET: 1185 Avenue of the Americas
	CITY: New York
	STATE: New York
	COUNTRY: USA
	ZIP: 10036
	COMPUTER READABLE FORM:
	MEDIUM TYPE: FLOPPY disk
	COMPUTER: IBM PC compatible
	OPERATING SYSTEM: PC-DOS/MS-DOS
	SOFTWARE: Patent In Release #1.0, version #1.30
	CURRENT APPLICATION DATA:
	APPLICATION NUMBER: US/08/813,323A
	FILING DATE:
	CLASSIFICATION: 530
	ATTORNEY/AGENT INFORMATION:
	NAME: White, John P
	REGISTRATION NUMBER: 28,678
	REFERENCE/DOCKET NUMBER: 50659
	TELECOMMUNICATION INFORMATION:
	TELEPHONE: (212) 278-0400
	TELEFAX: (212) 391-0525
	INFORMATION FOR SEQ ID NO: 2:
	SEQUENCE CHARACTERISTICS:
	SEQUENCE LENGTH: 568 amino acids
	TYPE: amino acid
	STRANDEDNESS: single
	TOPOLOGY: linear
	MOLECULE TYPE: peptide

FEATURE:
NAME/KEY: Peptide
LOCATION: 1..568
US-08-813-323A-2

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530

Query Match 100.0%; Score 3008; DB 8; Length 568;
Best Local Similarity 100.0%; Pred. No. 2.9e-210; Mismatches 0; Indels 0; Gaps 0;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1 MESSKKMDSPGALQTNPPLKHTDRAFTPVFVPEQGGYKEFKVKEFKVKEKHLVL 60
Qy 61 CSPKOTECGHRFCESCMALLSSSSPKCTACOESIVKDKVFKDNCCRELLAQLQYCRNE 120
Db 61 CSPKOTECGHRFCESCMALLSSSSPKCTACOESIVKDKVFKDNCCRELLAQLQYCRNE 120
Qy 121 SRSQCAEQLTGHLYLVLHKLNDCHIEELPCVPRCPCKEYKLRKDHRVKEACKYRATCSC 180
Db 121 SRSQCAEQLTGHLYLVLHKLNDCHIEELPCVPRCPCKEYKLRKDHRVKEACKYRATCSC 180
Qy 181 KSQVPMIALQKHDTPCPVWVSPHCKSVQTLRSELSEAHSECVNAPCSFCKRYGC 240
Db 181 KSQVPMIALQKHDTPCPVWVSPHCKSVQTLRSELSEAHSECVNAPCSFCKRYGC 240
Qy 241 FQGTNQQTAKHEASSAVOHVNLLKEWSNLERKVLQNESEVKNSIQSLHNOQCSFEI 300
Db 241 FQGTNQQTAKHEASSAVOHVNLLKEWSNLERKVLQNESEVKNSIQSLHNOQCSFEI 300
Qy 301 EIERQKEMLRNNESKILHQLRVIDSQAEKLLKELDEKIRPFRONWEADSMKSSVSLQNR 360
Db 301 EIERQKEMLRNNESKILHQLRVIDSQAEKLLKELDEKIRPFRONWEADSMKSSVSLQNR 360
Qy 361 VTELESVDSKAGQVARNTGILLESQSLRHDQMSVHDRLRQVLETAASYNGVL 420
Db 361 VTELESVDSKAGQVARNTGILLESQSLRHDQMSVHDRLRQVLETAASYNGVL 420
Qy 421 KIRDYKRRKQAVMGKTLISYQSPFTGFGYKMCARVYLNGDMGKGTHLSLFFVIMRG 480
Db 421 KIRDYKRRKQAVMGKTLISYQSPFTGFGYKMCARVYLNGDMGKGTHLSLFFVIMRG 480
Qy 481 EYDALLPWPKQVKVTLMDQGSSRRHLGDAKPDPNSSFKRPTGEMNTIASGCPVFAQ 540
Db 481 EYDALLPWPKQVKVTLMDQGSSRRHLGDAKPDPNSSFKRPTGEMNTIASGCPVFAQ 540
Qy 541 TVLNGTYIKDTIFIKVYDSDLDPD 563
Db 541 TVLNGTYIKDTIFIKVYDSDLDPD 563
Db 541 TVLNGTYIKDTIFIKVYDSDLDPD 563

RESULT 2
US-08-813-323A-1
Sequence 1, Application US/08/813,323A
; Patent No. US20020031522A1
; GENERAL INFORMATION:
; APPLICANT: Baltimore, David
; APPLICANT: Cheng, Genhong
; APPLICANT: Cleary, Aileen
; APPLICANT: Lederman, Seth
; APPLICANT: Ye, Zheng-sheng
; TITLE OF INVENTION: TRUNCATED CRAFT1 INHIBITS CD40 SIGNALING
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham, LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

RESULT 3
US-09-75-041-2
; Sequence 2, Application US/09/757041
; Patent No. US2002009726A1

GENERAL INFORMATION:

APPLICANT: Reed, John C.

APPLICANT: Sato, Takaki

TITLE OF INVENTION: CD40 Associated Proteins

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

COUNTRY: USA

ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/757,041

FILING DATE:

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/349,357

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 1203

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001

TELEFAX: (619) 535-9449

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 543 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

; US-09-757-041-2

Query Match 94.1%; Score 2831.5; DB 10; Length 543;

Best Local Similarity 95.2%; Pred. No. 1.6e-197; 0; Mismatches

Matches 541; Conservative 0; Indels 25; Gaps 1;

Qy 1 MESSKKMDSPGALQNPPLKHDRACTPVPFPEQGGYKEKFKVTDYKCKCHVL 60

Db 1 MESSKKMDSPGALQNPPLKHDRACTPVPFPEQGGYKEKFKVTDYKCKCHVL 60

Qy 61 CSPKQTECGHRCFESCMALSSSSPKCTACQTSIVKVKVKNCRKRELLAQIYCNE 120

Db 61 CSPKQTECGHRCFESCMALSSSSPKCTACQTSIVKVKVKNCRKRELLAQIYCNE 120

Qy 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

Db 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

Qy 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

Db 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

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Db 181 KSQVPMIAQKHDIDCPVVSPHCKSVQTLRSELSELHLSECVNAPSTCSFKRYGV 240

Qy 241 FGTTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 300

Db 241 FGTTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 300

Qy 218 - -IGTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 275

Db 218 - -IGTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 275

Qy 301 EIERQEMRNNESKILHQRVIDSOAELKELDEKEIRPRRQNWEADESMKSSVESLQR 360

Db 301 EIERQEMRNNESKILHQRVIDSOAELKELDEKEIRPRRQNWEADESMKSSVESLQR 360

Qy 276 EIERQEMRNNESKILHQRVIDSOAELKELDEKEIRPRRQNWEADESMKSSVESLQR 335

Db 276 EIERQEMRNNESKILHQRVIDSOAELKELDEKEIRPRRQNWEADESMKSSVESLQR 335

Qy 361 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 420

Db 361 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 420

Qy 336 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 395

Db 336 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 395

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Db 421 KIRDYKRRQEAQVAGTSLYSQPFYTFGYKMCARYVYLNGGKGKTHLSLFFVNRG 480

Db 396 KIRDYKRRQEAQVAGTSLYSQPFYTFGYKMCARYVYLNGGKGKTHLSLFFVNRG 455

Qy 481 EYDALLPWPFPKQVUMLMOPGSSRHLGAFKPOPNNSSFKKPTGEMMIAASCQPVFAQ 540

Db 456 EYDALLPWPFPKQVUMLMOPGSSRHLGAFKPOPNNSSFKKPTGEMMIAASCQPVFAQ 515

Qy 541 TVLNGTYIKDTTIFKIVTDSLDP 568

Db 516 TVLNGTYIKDTTIFKIVTDSLDP 543

RESULT 4
US-09-950-902-2
; Sequence 2, Application US/09950902
; Patent No. US2002127615A1; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University in the City of
; TITLE OF INVENTION: TRAF-3 DELETION ISOFORMS AND USES THEREOF
; FILE REFERENCE: 58732-A-PCT
; CURRENT APPLICATION NUMBER: US/09/950,902
; CURRENT FILING DATE: 2001-09-10
; PRIORITY APPLICATION NUMBER: PCT/US00/06503
; PRIORITY FILING DATE: 2000-03-10
; PRIORITY APPLICATION NUMBER: 09/268,544
; PRIORITY FILING DATE: 1999-03-11
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 2
; LENGTH: 438
; TYPE: PRT
; ORGANISM: isolated TRAF-3 deletion isoform protein
; US-09-950-902-2Query Match 73.9%; Score 2224; DB 10; Length 438;
Best Local Similarity 76.8%; Pred. No. 1.1e-153; 0; Mismatches 0; Indels 132; Gaps 3; Matches 437; Conservative 0;

Qy 1 MESSKKMDSPGALQNPPLKHDRACTPVPFPEQGGYKEKFKVTDYKCKCHVL 60

Db 1 MESSKKMDSPGALQNPPLKHDRACTPVPFPEQGGYKEKFKVTDYKCKCHVL 60

Qy 61 CSPKQTECGHRCFESCMALSSSSPKCTACQTSIVKVKVKNCRKRELLAQIYCNE 120

Db 61 CSPKQTECGHRCFESCMALSSSSPKCTACQTSIVKVKVKNCRKRELLAQIYCNE 120

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Db 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

Qy 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

Db 121 SRGCAEQLTGHLLVHLKDCHFEELPCVPPDKCKVYLRLDRHVEACKYREATCSHC 180

Qy 181 KSQVPMIAQKHDIDCPVVSPHCKSVQTLRSELSELHLSECVNAPSTCSFKRYGV 240

Db 181 KSQVPMIAQKHDIDCPVVSPHCKSVQTLRSELSELHLSECVNAPSTCSFKRYGV 240

Qy 241 FGTTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 300

Db 241 FGTTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 300

Qy 218 - -IGTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 188

Db 218 - -IGTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 188

Qy 301 EIERQEMRNNESKILHQRVIDSOAELKELDEKEIRPRRQNWEADESMKSSVESLQR 360

Db 301 EIERQEMRNNESKILHQRVIDSOAELKELDEKEIRPRRQNWEADESMKSSVESLQR 360

Qy 241 FGTTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 330

Db 241 FGTTNQOIKAHASSAVQHVNLLKWEWSLNLSKVKVSLQNLQNSVEKVKSTQSLHQTCFET 330

Qy 361 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 420

Db 361 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 420

Qy 231 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 290

Db 231 VTELESVDSKAGQVARNTGLLESOLSRHDQMLSVHDIRLADMDFRQVLETAISYGLW 290

Qy 421 KIRDYKRRQEAQVAGTSLYSQPFYTFGYKMCARYVYLNGGKGKTHLSLFFVNRG 479

Db 421 KIRDYKRRQEAQVAGTSLYSQPFYTFGYKMCARYVYLNGGKGKTHLSLFFVNRG 479

Qy 291 KIRDYKRRQEAQVAGTSLYSQPFYTFGYKMCARYVYLNGGKGKTHLSLFFVNRG 349

Db 291 KIRDYKRRQEAQVAGTSLYSQPFYTFGYKMCARYVYLNGGKGKTHLSLFFVNRG 349

Qy 480 GYDALLPWPFPKQVUMLMOPGSSRHLGAFKPOPNNSSFKKPTGEMMIAASCQPVFAQ 539

Db 480 GYDALLPWPFPKQVUMLMOPGSSRHLGAFKPOPNNSSFKKPTGEMMIAASCQPVFAQ 539

Qy 350 GEDALLPWPFPKQVUMLMOPGSSRHLGAFKPOPNNSSFKKPTGEMMIAASCQPVFAQ 409

Db 350 GEDALLPWPFPKQVUMLMOPGSSRHLGAFKPOPNNSSFKKPTGEMMIAASCQPVFAQ 409

RESULT 5
 US-09-950-902-4
 ; Sequence 4, Application US/09950902
 ; Patent No. US20020127615A1
 ; GENERAL INFORMATION:
 ; APPLICANT: The Trustees of Columbia University in the city of
 ; FILE REFERENCE: 58732-A-PCP
 ; CURRENT APPLICATION NUMBER: US/09/950, 902
 ; PRIORITY FILING DATE: 2001-09-10
 ; PRIORITY APPLICATION NUMBER: PCT/US00/06503
 ; PRIORITY FILING DATE: 2000-03-10
 ; PRIORITY APPLICATION NUMBER: 09/268, 544
 ; PRIORITY FILING DATE: 1999-03-11
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 347
 ; TYPE: PRT
 ; ORGANISM: isolated TRAF-3 deletion isoform protein
 ; US-09-950-902-4
 Query Match 56.6%; Score 1701.5; DB 10; length 347;
 Best Local Similarity 61.1%; Pred. No. 5.2e-116;
 Matches 347; Conservative 0; Mismatches 0; Indels 221; Gaps 1;
 QY 1 MESSKKMDSPGALQNPPLKLHRSACTPFPVFPQEGYKKEFKVTKVEDYKCEKCHLVL 60
 Db 1 MESSKKMDSPGALQNPPLKLHRSACTPFPVFPQEGYKKEFKVTKVEDYKCEKCHLVL 60
 QY 61 CSPKOTEGHHRFCESMAALLSSSSPKCTACQESIVKDKVFKDMCKRRLQIYCNE 120
 Db 61 CSPKOTEGHHRFCESMAALLSSSSPKCTACQESIVKDKVFKDMCKRRLQIYCNE 120
 QY 121 SRGCAEQLTIGHLYVHLKNDCHEELPCVVRPDCKEVKLRRDLRDHVKEACKYREATCSC 180
 Db 100 -----
 QY 181 KSQVPMIALQKHEDTDCPCVVSCPHKCSVQTLRLSELAHLSECVNAPSTCSFKRYGV 240
 Db 100 -----
 QY 241 FGQTNQQIKAHEASSAQCWNLLKEWSNLSKKVSLQNESEVNEKNSKTSQSLHNOICS 300
 Db 100 -----
 QY 301 EIEROKEMIRNNESKILHQVRLDSQAEEKELDEKIRPFRQWEADESMKSSVSESLQR 360
 Db 100 -----
 QY 361 VTELESVDYKSAQVARNITGILLESOLSRHDMQLSVHDIRLADMDFRQVLETAASYGVILW 420
 Db 140 VTELESVDYKSAQVARNITGILLESOLSRHDMQLSVHDIRLADMDFRQVLETAASYGVILW 199
 QY 421 KIRDYKRRKQKAEVAGKTLISYDOPFTGFGYKMCARYVINGDGMGK3THLSLFFVIRG 480
 Db 200 KIRDYKRRKQKAEVAGKTLISYDOPFTGFGYKMCARYVINGDGMGK3THLSLFFVIRG 259
 QY 481 EYDALLPPWPKFQKTYLMDQGSSRRHGDADFDPNNSSSKAKPTGEMANIASCQPVFAQ 540
 Db 260 EYDALLPPWPKFQKTYLMDQGSSRRHGDADFDPNNSSSKAKPTGEMANIASCQPVFAQ 319
 ; US-09-950-902-4
 ; Sequence 4, Application US/0998789-4
 ; Patent No. US20020009780A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dakhov, Basil
 ; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA RELATED
 ; TITLE OF INVENTION: VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED
 ; FILE REFERENCE: A-68990-1/RFT/RMS/RMK
 ; CURRENT APPLICATION NUMBER: US/09/798, 789
 ; CURRENT FILING DATE: 2001-03-02
 ; PRIORITY FILING DATE: 2000-03-02
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 43
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-798-789-4
 Query Match 7.1%; Score 214; DB 10; length 43;
 Best Local Similarity 100.0%; Pred. No. 1.5e-09;
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 374 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 416
 Db 1 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 43
 ; US-09-981-289-4
 ; Sequence 4, Application US/09981289
 ; Patent No. US20020110868A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dakhov, Basil I.
 ; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATMENT
 ; TITLE OF INVENTION: ALPHA RELATED DISORDERS
 ; FILE REFERENCE: A-63990-3-RFT/RMS/RMK
 ; CURRENT APPLICATION NUMBER: US/09/981, 289
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIORITY FILING DATE: 2000-03-02
 ; PRIORITY APPLICATION NUMBER: US 60/186, 427
 ; PRIORITY FILING DATE: 2001-08-31
 ; PRIORITY APPLICATION NUMBER: US 09/798, 789
 ; PRIORITY FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 43
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-981-289-4
 Query Match 7.1%; Score 214; DB 10; length 43;
 Best Local Similarity 100.0%; Pred. No. 1.5e-09;
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 374 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 416
 Db 1 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 43
 ; RESULT 6
 ; Sequence 4, Application US/09798789
 ; Patent No. US20020009780A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dakhov, Basil
 ; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA RELATED
 ; TITLE OF INVENTION: VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED
 ; FILE REFERENCE: A-68990-1/RFT/RMS/RMK
 ; CURRENT APPLICATION NUMBER: US/09/798, 789
 ; CURRENT FILING DATE: 2001-03-02
 ; PRIORITY FILING DATE: 2000-03-02
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 43
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-798-789-4
 ; Sequence 4, Application US/0998789-4
 ; Patent No. US20020009780A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dakhov, Basil
 ; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA RELATED
 ; TITLE OF INVENTION: VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED
 ; FILE REFERENCE: A-68990-1/RFT/RMS/RMK
 ; CURRENT APPLICATION NUMBER: US/09/798, 789
 ; CURRENT FILING DATE: 2001-03-02
 ; PRIORITY FILING DATE: 2000-03-02
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 43
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-981-289-4
 ; Sequence 4, Application US/09981289
 ; Patent No. US20020110868A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dakhov, Basil I.
 ; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATMENT
 ; TITLE OF INVENTION: ALPHA RELATED DISORDERS
 ; FILE REFERENCE: A-63990-3-RFT/RMS/RMK
 ; CURRENT APPLICATION NUMBER: US/09/981, 289
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIORITY FILING DATE: 2000-03-02
 ; PRIORITY APPLICATION NUMBER: US 60/186, 427
 ; PRIORITY FILING DATE: 2001-08-31
 ; PRIORITY APPLICATION NUMBER: US 09/798, 789
 ; PRIORITY FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 43
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-981-289-4
 Query Match 7.1%; Score 214; DB 10; length 43;
 Best Local Similarity 100.0%; Pred. No. 1.5e-09;
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 374 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 416
 Db 1 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 43
 ; RESULT 7
 ; Sequence 4, Application US/09981289
 ; Patent No. US20020110868A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dakhov, Anton
 ; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATMENT
 ; TITLE OF INVENTION: ALPHA RELATED DISORDERS
 ; FILE REFERENCE: A-63990-3-RFT/RMS/RMK
 ; CURRENT APPLICATION NUMBER: US/09/981, 289
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIORITY FILING DATE: 2000-03-02
 ; PRIORITY APPLICATION NUMBER: US 60/186, 427
 ; PRIORITY FILING DATE: 2001-08-31
 ; PRIORITY APPLICATION NUMBER: US 09/798, 789
 ; PRIORITY FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 43
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-981-289-4
 Query Match 7.1%; Score 214; DB 10; length 43;
 Best Local Similarity 100.0%; Pred. No. 1.5e-09;
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 374 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 416
 Db 1 VARNTGILLESQSLRSQHDMQLSVHDIRLADMDFRQVLETAASYG 43
 ; RESULT 8
 ; Sequence 4, Application US/09984761
 ; Patent No. US20020048763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; ADDITIONAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.

CURRENT APPLICATION NUMBER: US/09/949,642
 CURRENT FILING DATE: 2001-09-02
 PRIORITY APPLICATION NUMBER: PCT/US01/07260
 PRIORITY FILING DATE: 2001-03-07
 PRIORITY APPLICATION NUMBER: 60/224,367
 PRIORITY FILING DATE: 2000-08-11
 PRIORITY APPLICATION NUMBER: 60/187,873
 PRIORITY FILING DATE: 2000-03-08
 NUMBER OF SEQ ID NOS: 26
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 19
 LENGTH: 185
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-949-842-19
 Query Match 5.0%; Score 149; DB 9; Length 185;
 Best Local Similarity 22.3%; Pred. No. 0.00049; Mismatches 90; Indels 54; Gaps 4;
 Matches 49; Conservative 27; MisMatches 90; Indels 54; Gaps 4;
 21 LHDTRSGATPVFVPEGGYKEKFKVTVEDKKCKCHLVLCSPKOTECGHRCESCMAL 80
 5 LSTDGSKPASATARALERRRDPPELVTSFDCAVCLEVLHQPVTRCGHFCRCSITAS 64
 81 LSSSSPKCRAQESIVKDKVFKDNCKRELLALQIYCERNESRCAGQLTGHLLVHLKND 140
 65 LKNNKWTCPYCRAYLPSEGVPATVAKR-----MKSEYKNAE----- 102
 141 CHFEELPCVYRPPDCKERKVLKDRDHLRVEACKYRATCCHICKSCKSOPVMTALQKHDTPDCPCV 200
 103 -----COPWCLSEMRAHIRTQKYYD-----KYGFLQEELSETARCV 140
 201 WSCPCKHCSVOTLRLSELAHSE-----CVNAPS 230
 141 CPFCoreLYEDSLLDHCITHRSERRPVVRFVTCITAMS 180
 SULT 11
 -09-764-864-1277
 Sequence 1277, Application US/09764864
 Patent No. US20020132753A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: PT223
 CURRENT FILING NUMBER: US/09/764,864
 CURRENT FILING DATE: 2001-01-17
 Prior application data removed - consult PALM or file wrapper
 NUMBER OF SEQ ID NOS: 1792
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1277
 LENGTH: 563
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: SITE
 LOCATION: (6)
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
 LOCATION: (10)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (40)
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (42)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (43)
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (54)
 LENGTH: 185
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-949-842-19
 Query Match 5.0%; Score 149; DB 10; Length 563;
 Best Local Similarity 21.4%; Pred. No. 0.002; Mismatches 61; Indels 78; Gaps 14;
 Matches 61; Conservative 27; MisMatches 94; Indels 78; Gaps 14;
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
 US-09-764-864-1277
 Query Match 5.0%; Score 149; DB 10; Length 563;
 Best Local Similarity 21.4%; Pred. No. 0.002; Mismatches 52; Indels 78; Gaps 14;
 Matches 61; Conservative 27; MisMatches 94; Indels 78; Gaps 14;
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
 US-09-998-667-1
 Query Match 4.9%; Score 147; DB 10; Length 232;
 Best Local Similarity 22.7%; Pred. No. 0.00091; Mismatches 95; Indels 46; Gaps 4;
 Matches 49; Conservative 26; MisMatches 95; Indels 46; Gaps 4;
 21 LHDTRSGATPVFVPEGGYKEKFKVTVEDKKCKCHLVLCSPKOTECGHRCESCMAL 80
 5 LSTDGSKPASATARALERRRDPPELVTSFDCAVCLEVLHQPVTRCGHFCRCSITAS 64
 81 LSSSSPKCRAQESIVKDKVFKDNCKRELLALQIYCERNESRCAGQLTGHLLVHLKND 140
 65 LKNNKWTCPYCRAYLPSEGVPATVAKR-----MKSEYKNAE----- 102
 QY 51 YCKECKCHLVLCSPKOTECGHRCESCMAL 110
 Db 302 FECSLCMRLEFEPTPFGCHSFCNCLERCL-DHAPICPLCKESL-----KEY 348
 QY 111 LALOJYCRRESRGCAEQLTGHLLVHLKNDCHFEELPCVPRPCKEYKVKDLRDHVKEAC 170
 Db 349 LADRRYCVIQ---LLELLVYL-----PD-ELSERKTYDE--- 381
 QY 171 KYRATCCKSICKSQPM-IAQKHDTPCPCVWVSCPHCSQVLLRSLSLASHLSECYNA 229
 Db 382 --ETEALSLHTKNTVPFVYTMAYPTVPCPLHVPEPRYLRMRSRIONG-TKQFGMCVSDT 438
 QY 230 STSFKPKCQVFQGNTQKAHEASSAVQHVNLUKENSLE---KVSQIQLNESVKN 285
 Db 439 QN-SFADICGMLQ-----TRNHFLPDGSSVWDVGGKRRFVLK----- 476
 QY 286 KSTIOLHNQICCSFETIEERQEMLRNNESSKILHQLQYD--SOA 327
 Db 477 --RGKRDGCT--ADIEFLDVKVENEDDEIKNLRELDLVIQSA 516
 RESULT 12
 US-09-998-667-1
 ; Sequence 1, Application US/09998667
 ; Patent No. US20020146747A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Masuda, Esteban
 ; APPLICANT: Liao, X. Charlene
 ; APPLICANT: Chu, Peter
 ; APPLICANT: Pardo, Jorge
 ; APPLICANT: Rigel Pharmaceuticals, Incorporated
 ; TITLE OF INVENTION: TRAC1 Modulators of Lymphocyte Activation
 ; FILE REFERENCE: 021044-000600US
 ; CURRENT APPLICATION NUMBER: US/09/998,667
 ; CURRENT FILING DATE: 2001-12-03
 ; PRIORITY APPLICATION NUMBER: US 60/282,432
 ; PRIORITY FILING DATE: 2001-04-06
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 1
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (6)
 ; OTHER INFORMATION: human wild-type TRAC1 (FLW20456)
 ; US-09-998-667-1
 Query Match 4.9%; Score 147; DB 10; Length 232;
 Best Local Similarity 22.7%; Pred. No. 0.00091; Mismatches 95; Indels 46; Gaps 4;
 Matches 49; Conservative 26; MisMatches 95; Indels 46; Gaps 4;
 21 LHDTRSGATPVFVPEGGYKEKFKVTVEDKKCKCHLVLCSPKOTECGHRCESCMAL 80
 5 LSTDGSKPASATARALERRRDPPELVTSFDCAVCLEVLHQPVTRCGHFCRCSITAS 64
 QY 81 LSSSSPKCRAQESIVKDKVFKDNCKRELLALQIYCERNESRCAGQLTGHLLVHLKND 140
 Db 65 LKNNKWTCPYCRAYLPSEGVPATVAKR-----MKSEYKNAE----- 102

RESULT 13
 US-09-764-864-835
 ; Sequence 835, Application US/09764864
 ; Patent No. US20020132753A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PT223
 ; CURRENT APPLICATION NUMBER: US/09/764, 864
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIORITY APPLICATION DATA REMOVED - CONSULT PALM OR FILE WRAPPER
 ; NUMBER OF SEQ ID NOS: 1792
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO: 835
 ; LENGTH: 503
 ; TYPE: PRY
 ; ORGANISM: Homo sapiens
 ; US-09-764-864-835

Query Match 4.6%; Score 137; DB 10; Length 503; Best Local Similarity 20.4%; Pred. No. 0.013; Mismatches 95; Conservative 63; N mismatches 156; Indels 152; Gaps 24; Matches 95; Conservative 63; N mismatches 156; Indels 152; Gaps 24;

Qy 44 VKTVEDKYKCEKC---HLVLCSPKQTECGHRCFESCMALLSSSPKCTAC----- 91
 Db 24 MKTIDDLRKGICFBYFNMATIP---QCSHNYCSLCIRKFLSYKTOCPTCCVTVTEBDL 80

Qy 92 ----QESVKDKFKDN-----CCKREITALQIYCNRNESRGAEQ---LT 129
 Db 81 KNNRITLDELVSLNFARNLQLQFALESPAKSPASSRNLAVKVYTPVASRQLQSR 140

Qy 130 LGHILVHLKNDCHFELPCVRPDCKEVAKVDRHACKYREATC-----SHCK 181
 Db 141 MNFLFLREMSGSTSLL----TKENNSKSFPOKEASPAKTFKETRSVEETAPDPSAK 194

Qy 182 SQVP---MIAQKHDTPCPCVVSCPHKCSVQTLRSELAHLSECVN----- 227
 Db 195 RPERPSTSTLKVQTKVDCPVGVNIP-----ESHINKHLDSCISREKEKLSRV 245

Qy 228 ----APSTC-----SFKRYGCVFQGTNQ---TKAHE-----A 253
 Db 246 HKRKLPLKTVNLLSDRDLKKLKEHGHSIQLNQQLIKRQEVMNAQCDALHPKSA 305

Qy 254 SSAYVHVNLIKEWSNLKVKVSLQIENEY-----EKNSKTIOSHNOI-CSFBEIETRQK 306
 Db 306 AEIYQEIEENAEKTRMLE-ASKI-NESTWVFTKDQTEKEIDELHSKTRKHKSEFQILV 362

Qy 307 EMLRNNEISKLHL-QRVI---DSQAELK-----KELD-KEIR 338
 Db 363 DOARKGYKKIAGMSQTKVTITKEDESTEKLSSVCMQEDNMTSVTNHRSQSKLDSPEE 422

Qy 339 PFRQWEEADSMKSVESVLSQNRVTELESVDSKSAQVARNTGLLESQ 384
 Db 423 PDRE---EDSSCIDIQEVLIS-SESDSCNSSSDIRD-LLEEE 462

RESULT 14
 US-09-998-667-9
 ; Sequence 9, Application US/09998667
 ; Patent No. US20020146747A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Masuda, Esteban
 ; APPLICANT: Liao, X. Charlene
 ; APPLICANT: Zhao, Haoran

Query Match 4.5%; Score 136; DB 9; Length 1641; Best Local Similarity 21.5%; Pred. No. 0.067; Mismatches 97; Conservative 75; N mismatches 165; Indels 114; Gaps 22; Matches 97; Conservative 75; N mismatches 165; Indels 114; Gaps 22;

Qy 40 KERFKVTKVEDKYKCEKCMLVLCSPKQTECGHRCFESCMALLSSSP--KCTACQESTVK 97
 Db 76 KKLLIKSKELQDSQDKHMK-EQEMTRLHRRVSE--VEAVLSQKEVELKASETOSLLE 131

RESULT 15
 US-10-017-216-5
 ; Sequence 5, Application US/10017216
 ; Patent No. US20020160483A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KAPPELER-LIBERMAN, Rosana
 ; TITLE OF INVENTION: 1323A, A No. US20020160483A1 Human Myotonic Dystrophy Type P
 ; FILE REFERENCE: 10147-771
 ; CURRENT APPLICATION NUMBER: US/10/017, 216
 ; CURRENT FILING DATE: 2001-10-23
 ; PRIORITY APPLICATION NUMBER: US 60/242, 429
 ; PRIORITY FILING DATE: 2000-10-23
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 5
 ; LENGTH: 1641
 ; TYPE: PRY
 ; ORGANISM: Mus musculus
 ; US-10-017-216-5

Query Match 4.5%; Score 136; DB 9; Length 1641; Best Local Similarity 21.5%; Pred. No. 0.067; Mismatches 97; Conservative 75; N mismatches 165; Indels 114; Gaps 22; Matches 97; Conservative 75; N mismatches 165; Indels 114; Gaps 22;

